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PATENT ABSTRACTS OF JAPAN

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(71) Applicant: **MITSUBISHI CHEM IND LTD**

(72) Inventor: **TANIGUCHI SEIRO**
MORITA YOSHIMI
HAYAKAWA SHUZO

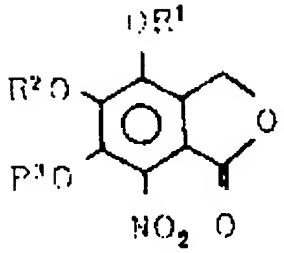
(74) Representative:

(54) PREPARATION OF PHTHALIDE ISOQUINOLINE

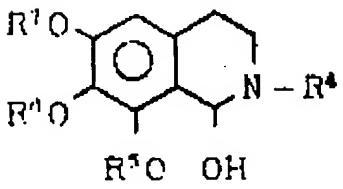
(57) Abstract:

PURPOSE: To obtain the titled compound useful as a synthetic intermediate for an antiallergic agent tritoqualine, etc. in high yield, by reacting a nitrophthalide with an isoquinoline in methanol.

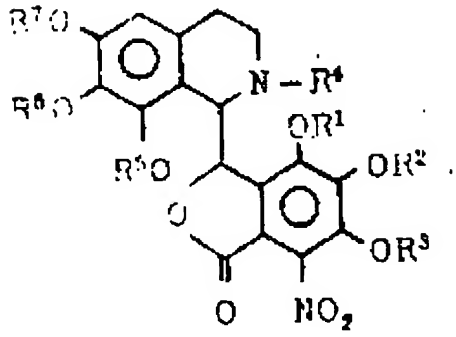
CONSTITUTION: A nitrophthalide of formula I (R1, R2 and R3 are lower alkyl) is reacted with an isoquinoline of formula II (R4, R5, R6 and R7 are lower alkyl; R5 and R6 together may form a methylene group) in methanol at 50W80°C for 8W36hr to give the aimed substance of formula III. The amount of the methanol to be used is 1.5W10 times, preferably 2.5W3 times, based on the compound of formula I , and the compound of formula II is used in an equimolar amount based on the compound of formula I . The aimed substance exhibits the 1RS- 3'RS form in the same configuration as that of the tritoqualine, and the method is industrially advantageous.



I



II



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